

Excavator frame shortens MINI-JET installation time

City:	Saint Benoît la Foret/France
Contractor:	M/s Humbert/ Les Ponts de Cé
Length:	47 m and 28 m (155 ft and 93 ft)
New pipe:	HDPE pipe OD 200 x 11.9 mm (8" x 0.5")
Inclination :	0% - 1%
Backreamings:	160 m, 215 m and 260 mm (6.3", 8.5" and 10")
Machine:	TERRA MINI-JET MJ 1600 with excavator frame
Underground:	hard dry clay with gravel



The TERRA MINI-JET MJ 1600 with excavator frame. The hydraulics of the excavator drive the MJ 1600.

The excavator is a Schaeff-Terix HR 18 with 34.6 kW power and an operating weight of 4'680 kg (10'300" lbs).



The quick release fastener is clicked in.

The TERRA MINI-JET MJ 1600 with excavator frame in the starting pit. The installation is finished after a few minutes, the pilot bore may begin.



**Horizontal Directional Drilling System
TERRA MINI-JET MJ 1600**



←
The locator is calibrated just before the pilot bore.

↓
The special drill rods of the TERRA MINI-JET allow minimum turning radiuses of 15 m (50"). This is unique world wide.



↑
The TERRA MINI-JET MJ 1600 with excavator frame during the back reaming and pipe pulling. The HDPE pipe OD 200 mm (8") is pulled in over a length of 47 m (155 ft)



→
The 60 m (200 ft) long HDPE pipe OD 200 mm x 11.9 mm (8" x 0.5") is laid out at the arrival pit. It is ready for pipe pulling.

TERRA AG, Industriestrasse 1, 4805 Brittnau, Switzerland, phone.: +41-62-751 24 52, fax: +41-62-751 40 46, e-mail: terra.ch@bluewin.ch, internet: www.terra-eu.eu