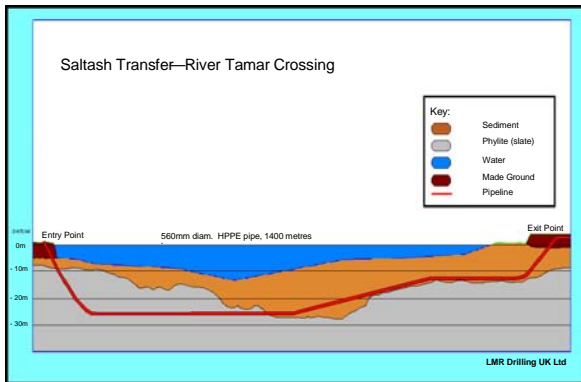


was conducted on the pipeline before installation into the drilled hole. Preliminary works began on 4th January 2000 with the drilling rig and equipment arriving on Tuesday 11th and drilling commencing as programmed on 12th January 2000.

This considerable engineering achievement has been well received by Miller Civil Engineering and South West Water.



Drill Profile

The drilled profile passed through varying geology consisting of Phyllite (slate), very Soft Silt, Sand/Gravel and Made Ground. The length drilled through the Phyllite was 388 metres and the final hole was opened up by using mill tooth cutters. Difficulties were foreseen with the interface between the hard and soft ground and great care was taken when drilling passed this point on the drill profile.

A decision was taken at the time of tender submission to commence drilling on the Saltash side of the River, thereby going directly into the hard Phyllite. This decision was viewed by the Client as the best approach for this project.

Soon after commencement of pilot hole drilling, treatment of the ground by cementing through the drill pipe was required. This technique has been well established in the LMR organisation and added value to the success of the project.

The pull back, having an average load of 40 Tonne, began early on Thursday 24th February, a little over seven weeks from arriving on site, and was completed early Saturday morning on the 26th February 2000.



Rig Site at Saltash