

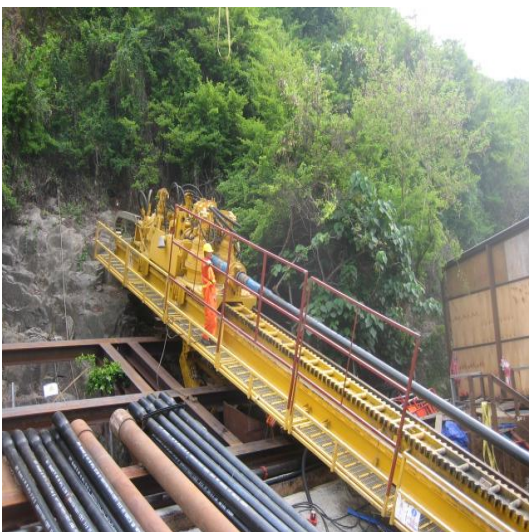
Largest ramming for TR 565 – Bentonite makes it possible

Contractor:	Paul Y Construction, Hong Kong
Length:	20 m + 105 m (66 ft + 350 ft)
Steel pipe ram:	TERRA-HAMMER TR 565
Steel pipe:	ø 1'400 mm + ø 1'200 mm (ø 55" + ø 47")
Drilling fluid:	Bentonite lubrication outside of the steel pipe
Underground:	Clay and gravel

The outside of the steel pipe was continuously lubricated with Bentonite to reduce the friction. Therefore 100-200 ltr/min (25-50 gpm) Bentonite drilling fluid were pumped into the ground.



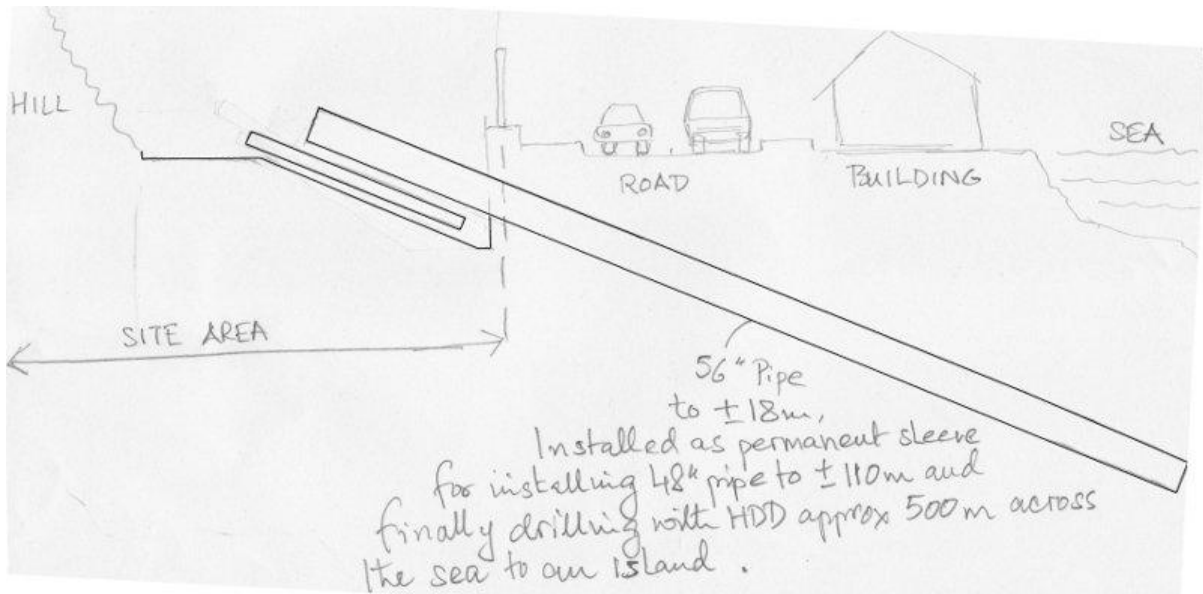
The TERRA-HAMMER TR 565 during the ramming of the steel pipe ø 1'400 mm (55")



The frame of a HDD machine was used as a support for the steel pipe and the TR 565.

The steel pipe ø 1'400 mm (55")





This sketch explains the job site. The 1'400 mm (55") steel pipe should be rammed as a protection for the 1'200 mm (47") steel pipe underneath the rod. Then the 1'200 mm (47") steel pipe was rammed over the full distance of 105 m (350 ft). After the successful ramming a HDD machine drilled through the 1'200 mm (47") steel pipe, underneath the ocean, to a nearby island to lay a 800 mm (32") HDPE pipe for sewer water.



The 800 mm (32") sewer line was laid to this island.



The TERRA-HAMMER TR 565 during the ramming.

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