

# ◀ **BEST PRACTICE** **INFORMATION** ▶



## Concrete 'Blow-out' Chambers with Exclusion Zones

Concrete pipeline clean-out operations commonly involve the insertion of cleaning ball(s) that are driven through the line using compressed air (water is a lesser used alternative). An attachment at the end of the line captures the cleaning ball whilst still allowing excess concrete to be expelled. Precise control of pressure is required to prevent explosive release of concrete and cleaning balls into these ball-catchers.



Arrangements that fully contain the expelled concrete, cleaning ball and air pressure build-up are much preferred on Crossrail. The two designs currently in use at Crossrail are shown below, used by Cementation Skanska and Bauer Technologies Ltd.

**For more information on this please contact:**  
Mark Alderson ([mark.alderson@bauertech.co.uk](mailto:mark.alderson@bauertech.co.uk))

