



690mtrs of 250mm MOPVC tested at Poringland Site

On Wednesday and Thursday 12th & 13th April 2017, a 690mtr section of 250mm MOPVC was successfully tested at Poringland in Norfolk. This was the first section situated along the carriageway, of an ongoing project which has already seen a 300mtr section successfully tested in an neighbouring field.

Testing MOPVC requires a test procedure which is similar to the usual Ductile Iron testing method as it is a socket spigot pipe. The test still requires an initial 24hour 'soak' test period, although in the case of MOPVC, this is to allow for initial stretching of the material which has a degree of flexibility. The headline parameters of the test on the 2nd day are an hour's pressure degradation test with an allowable 0.2bar loss. A further Type 1 test can be carried out, which allows for refilling at a calculated quantity to achieve test pressure and PASS status.

In the case of the tests on the 12th & 13th, the main was filled to 8bar at a slow rate of 1bar/hr (test procedure actually states 0.6bar/hr). The pipe was then left the 23hours and was re visited the next day showing a pressure of 7.6bar. This already indicated a sound pipe with the loss being attributed to the stretching and 'bedding in' of the socket spigot seals.

The pipe was then re charged to 8.1178bar and left for exactly 1 hour. When checked after the hour had elapsed, a reading of 8.0001 bar was taken meaning a loss of 0.1177 bar over the test period. With the permissible loss being 0.2bar, this was deemed as a PASS with a good margin of nearly 42%.

A calibrated data logger was used for all readings with index showing mtrs head. This was converted into Bar at 10.19977/1Bar. The test was deemed a PASS, the pipe then signed off as ready for chlorination and commissioning.



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