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Soakaway design as per digest 365.

This test was carried out in March 2014.

Percolation test (vp)

Time taken for the water level to drop from 75% to 25%.

Hole 1 – 16mins

Hole 2 – 18mins

Average Total time in seconds = $1020s / 150 = 6.80 \text{ vp}$.

Infiltration rate. (f)

1.09×10^{-5}

Inflow (I)

Area to be drained $165M^2 \times 0.016 \text{ design rainfall} = 2.64M^3$.

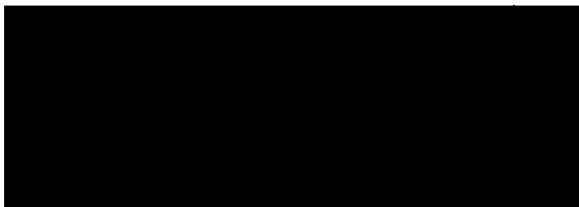
Outflow from soakaway (O)

as $50 \times f \times D$

$0.18 \times 0.011 \times 5 = 0.01$

Proposed soakaway 2 No. - $3.5 \times 1.0 \times 0.4M$ at 95% voids = $2.66M^3$

Comprising of soakaway crates, wrapped in geotextile and bed and surrounded with granular material.



2014