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**REPORT OF PERCOLATION TEST CARRIED OUT AT
SITE AT BLUEBELL AVENUE BLUEBELL INDUSTRIAL ESTATE DUBLIN 12.**

INTRODUCTION.

The test was carried out over Wednesday 15th March 2022 and 16th March 2022.

A trial hole approximately 1000 long x 1000 wide x 1200 deep was dug in the area of the proposed soakaway. (See Photograph 1).

A measuring stick with 3 no graduations 250mm, 500mm and 750mm (see photo 2) was inserted into the hole. (See photo 3).

The hole was filled with water to the 750mm. (See photo No 4). The time that this photo was taken was 11.42 on Wednesday morning.

The rate of percolation was very slow and at 14.38 on Wednesday afternoon the level of water has only dropped by circa 100mm see Photo No 5.

The trial hole was left overnight and was inspected again the following morning at 9.56. The water in the trial hole had not reached the 250mm line on the measuring stick. (See Photo no 6).

CONCLUSION

The water level in the trial hole dropped less than 500mm in approximately 22 hours. This level of percolation is poor and should be considered virtually negligible.

Thus with poor on site infiltration characteristics it is proposed to provide a soakaway based on the Qbar calculated run off of 5 cu. mts. and provide for on-site attenuation, with an overflow to the existing surface water drainage disposal system.

Signed


JOHN TAYLOR

Dated 14th April 2022



Photo No 1
Trial hole



Photo No 2
Measuring Stick



Photo No 3
Measuring Stick in Trial Hole



Photo No 4
Trial Hole filled with water to 750 level AT 11.42 AM



Photo No 5
Extent of percolation by 14.38 PM on 15th March 2022



Photo No 6
Extent of percolation by 09.56 AM on 16th March 2022