

Department of Health  
and Human Services

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Making It Better, Together.

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### FORM 3B TUBE PERMEAMETER TEST DATA

1. Test Number \_\_\_\_\_ Replicate (Letter) \_\_\_\_\_ Date Collected \_\_\_\_/\_\_\_\_/\_\_\_\_

2. Material Tested:  Fill  Test in Native Soil- Indicate Depth, in inches \_\_\_\_\_

3. Type of Sample:  Undisturbed  Disturbed

4. Sample Dimensions:  
Inside Radius of Sample Tube, R, in cm \_\_\_\_\_ Length of Sample, L, in inches \_\_\_\_\_

5. Bulk Density Determination (Disturbed Samples Only):  
Sample Weight (Wt. Tube Containing Sample Tube-Wt. of Empty Tube), grams \_\_\_\_\_

Sample Volume (L x 2.54cm./inch x 3.14R<sup>2</sup>), cc \_\_\_\_\_

Bulk Density (Sample Wt./Sample Volume), grams/cc \_\_\_\_\_

6. Standpipe Used:  No  Yes-Indicate Internal Radius, cm \_\_\_\_\_

7. Height of Water Level Above Rim of Test Basin, in inches:

At the Beginning of each Test Interval, H1 \_\_\_\_\_ At the End of Each Test Interval, H2 \_\_\_\_\_

8. Rate of water Level Drop (Add additional lines if needed):

Time, Start of Test Interval, t1	Time, End of Test Interval, t2	Length of Test interval, t, minutes

9. Calculation of Permeability:  $K, (in/hr) = \frac{60 \text{ min/hr} \times r^2/r^2 \times L (in)t(\text{min}) \times \ln(H1/H2)}{60 \text{ min/hr.} \times \frac{\quad}{\quad} \times \frac{\quad}{\quad} \times \ln(\frac{\quad}{\quad})} = \frac{\quad}{\quad}$

10. Defects in the Sample (Check appropriate items):  None  Cracks  Worm Channels  Root Channels  Soil/Tube Contact  Large Gravel  Large Roots  Dry Soil  S mearing

11. I on Hereby certify that the information furnished on Form 3b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-B.

Signature of Soil Evaluator \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature of Professional Engineer \_\_\_\_\_ License # \_\_\_\_\_