

BRISTOL-BURLINGTON HEALTH DISTRICT
240 Stafford Avenue, Bristol, Connecticut 06010-4617
Tel. (860) 584-7682 • Fax (860) 584-38

BBHD Soil Testing Policy/ Site Preparation/ Ground Water Monitoring

Complete soil testing applications (subdivision/ single lots) submit to BBHD with \$100 per lot testing fee.

The lot must be prepared and made accessible for the backhoe to get to the test area and the BBHD representative to safely access the site

- **Applicant must Provide proposed map of lot(s) prior to date of soil testing**
- **BBHD must be notified at least ten working days prior to subdivision soil testing**
- **See BBHD Sanitary Code revised June 2018- concerning well radius for subdivisions**

The wells for all new lots within a subdivision must have all or substantially most of the protective radius within the property lines

Following conditions under which soil test observations will not be made by BBHD

- ❖ **When ground has sufficient snow coverage that renders observation of surface features impossible. This represents an obvious safety hazard and conceals areas of concern**
- ❖ **When weather conditions make observation and recording of data impossible , ie: during severe cold spells, snow or rain storms**
- **The applicant shall have a representative of the engineering firm who is familiar with the proposed plan and familiar with soil profiles on site**
- **The role of BBHD is not to conduct the soil testing but to witness the soil testing**
- **The applicant's engineer shall be responsible for locating and excavating soil deep holes and recording data.**
- **At Minimum two deep holes in primary and one in reserve area. Based on site conditions (ledge rock, inconsistent soil profiles) additional soil testing may be needed. At minimum one Percolation test in primary and one in the reserve area**
- **All deep holes regardless of results must be identified in field by numbers corresponding to the engineers report submitted to BBHD**
- **Lot boundary lines must be clearly marked.**
- **A backhoe must be on site for the excavation of observation pits (ten feet deep). These holes are necessary for the soil profile study as required by Section 19-13-B103f(d)(2)CT. PHC**
- **See separate BBHD Policy for Subdivision Plan review requirements**

Ground Water Monitoring During site testing , if there is evidence of ground water , actual water or mottling less than 24 inches below the ground surface , BBHD may require the applicant to install ground water monitoring pipes . Standpipe readings used for groundwater monitoring shall utilize the average of at least 5 consecutive weekly readings taken during the most restrictive 30 day period of the wet season. The depth to ground water in the standpipes must be recorded by a Professional Engineer. BBHD must be notified when ground water levels are observed at depth greater than or equal to 18 inches from grade in the septic area test site during critical monitoring periods.. A report must be prepared by the design engineer and submitted to the BBHD at the completion of the drain monitoring period. Conclusions as to the suitability of the site for subsurface sewage disposal based on the field monitoring data must be contained therein. This report must be provided regardless of the success of the curtain drain.

Updated Soil Testing Policy approved by Director of Health on: 6/26/2018 CM