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Continuing Education Course #169  
Design of Drywells

1. Drywells cannot be used in areas with shallow bedrock, high water table, or with insufficient permeability.  
 a. True.  
 b. False.
2. The town of Southold, NY requires that a drywell be designed for a 100 year storm.  
 a. True  
 b. False.
3. A house with a 2400 SF roof is proposed in a municipality that requires that the drywell be designed to store 3" of runoff over the rooftop. What is the required storage volume in the drywell?  
 a. 500 CF  
 b. 600 CF  
 c. 800 CF  
 d. 1200 CF
4. Soil suitability for a drywell can be determined by which of the following tests?  
 a. Perc tests.  
 b. Basin flood tests.  
 c. Soil class ratings analyses.  
 d. All of the above.
5. A permeability class of K0 corresponds to a permeability of how many inches per hour?  
 a. >20  
 b. 6-20  
 c. 2-6  
 d. <0.2
6. Most reviewing agencies require that the drywell be designed to drain within 24 hours.  
 a. True  
 b. False
7. The bottom of the drywell should be a minimum of how far above the water table?  
 a. 2 feet.  
 b. 1 feet.  
 c. 6 feet.  
 d. 6 inches.
8. Minimum stone size in the drywell should not be less than how large?  
 a. 1"  
 b. 2"

- c. 1 ½"
- d. 2 ½"

9. There should always be some provision built into the drywell for inspection and maintenance.

- a. True.
- b. False.

10. A building sump pump can safely be outletted into a drywell.

- a. True.
- b. False.

11. The NJ Department of Environmental Protection requires what separation between a drywell and the well and septic system?

- a. 50 feet from the well and 50 feet from the septic.
- b. 100 feet from the well and 100 feet from the septic.
- c. 50 feet from a well and 100 feet from a septic system.
- d. 100 feet from a well and 50 feet from a septic system.

12. When observing a drywell installation, the engineer should determine that the drywell is not intercepting the water table and that the material has acceptable permeability.

- a. True.
- b. False.

13. Stormtech infiltrator units are so light that several of them can be carried in a pickup truck.

- a. True.
- b. False.

14. If on-going maintenance is not performed the following may result:

- a. The drywell may be subject to frequent overflowing.
- b. There may be negative impacts at the drywell outlet.
- c. The water may back up into the inlet pipes.
- d. All of the above.

15. Maintenance of roof leaders is not a critical part of drywell system maintenance.

- a. True.
- b. False.

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