

**Final Exam**  
**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.