

Pre-class Quiz

Multiple Choice

1. ____ The four principle factors influencing soil erosion are:
a. Permits, Equipment, Schedule, & People b. Vegetation, Soils, Topography, & Climate
c. Weather, Soils, BMP's, & Maintenance d. Time, BMP's, People, & Soils
2. ____ A detention basin is designed to store stormwater on site and then _____.
a. Release at a controlled rate b. Allow time for percolation
c. Allow time for evaporation d. Filter the water
3. ____ For proper installation of a silt fence, a trench _____ inches deep and _____ inches wide must be excavated. This will allow the _____ inches of fabric to be buried.
a. 2"D x 2"W; 4" b. 6"D x 4"W; 8" c. 4"D x 6"W; 8" d. 4"D x 4"W; 8"
4. ____ The initial storage capacity of traps and basins is _____ cu. yd. or _____ cu. ft. per acre.
a. 67 yd³ / 1800 ft³ b. 134 yd³ / 3600 ft³
c. 100 yd³ / 2700 ft³ d. 50 yd³ / 1350 ft³
5. ____ In flowing water, turbidity curtains should be placed _____ to the direction of flow.
a. Perpendicular b. Diagonal c. Parallel d. Not at all
6. ____ Which portion of the plan gives exact information on the type of BMP installation procedures, materials, special considerations, etc.?
a. Narrative b. Details & specifications c. Site plan d. Calculations
7. ____ By definition a swale should have side slopes no steeper than _____.
a. 1:1 b. 2: 1 c. 3:1 d. 4:1 e. 5:1
8. ____ What parts of a stormwater pond are most likely to fail due to improper compaction?
a. Structural elements b. Aquatic plants c. Ornamental plants
d. Burrowing animals e. Insects & bugs
9. ____ BMP maintenance activities can be classified into categories including _____.
a. aesthetic b. preventative c. corrective d. all of the above
10. ____ Signs that an infiltration practice is clogging and needs maintenance include:
a. standing water b. soggy soils c. wetland plants d. all of the above
11. ____ At the pre-construction conference, be sure that all parties posses and understand a copy of _____.
a. The approved plan b. The Inspectors Manual
c. The Articles of Incorporation d. The Racing Form
12. ____ The littoral zone of a wet detention system should cover at least _____% of its surface area.
a. 10 b. 20 c. 30 d. 40 e. 50

Post-class Quiz

Fill in the blanks

1. A detention basin is designed to store stormwater on site and then _____.
2. The initial storage capacity of traps and basins is _____ cu. yd. or _____ cu. ft. per acre.
3. The four principle factors influencing soil erosion are _____
_____.
4. Which portion of the plan gives exact information on the type of BMP installation procedures, materials, special considerations, etc.? _____.
5. For proper installation of a silt fence, a trench _____ inches deep and _____ inches wide must be excavated. This will allow the _____ inches of fabric to be buried.
6. By definition a swale should have side slopes no steeper than ____:_____.
7. At the pre-construction conference, be sure that all parties posses and understand a copy of _____.
8. What parts of a stormwater pond are most likely to fail due to improper compaction? _____.
9. In flowing water, turbidity curtains should be placed _____ to the direction of flow.
10. BMP maintenance activities can be classified into categories including _____.
11. The littoral zone of a wet detention system should cover at least _____% of its surface area.
12. Signs that an infiltration practice is clogging and needs maintenance include: _____.