

# Carroll County Stormwater Management ESD Practices Requiring Onsite Soils/Infiltration Testing

The Following ESD Practices Require Passing Onsite Soils/Infiltration Testing:

- A-2 Permeable Pavements  $\leq 10,000$  ft<sup>2</sup>
- M-2 Submerged Gravel Wetlands (impermeable) – One test per facility in the facility
- M-3 Landscape Infiltration
- M-4 Infiltration Berms (stability)
- M-5 Drywells
- M-6 Micro-Bioretenention without Underdrains – One test per facility in the facility
- M-7 Rain Gardens
- M-9 Enhanced Filters – Any of the ESD practices designed with an enhanced filter must meet the criteria for structural infiltration trenches (see the Carroll County Stormwater Management Checklist).

Testing General Requirements:

1. At least one representative passing perc test, test pit or soil boring at the correct depth and reasonable proximity must be performed on each lot that contains any of the listed ESD practices. Additionally, any lot or site with a limit of disturbance (L.O.D.) greater than 1 acre will require an additional passing test and then one more for each additional acre.
2. All perc tests, test pits or soil borings must extend at least 4 feet below the bottom of the proposed practice (infiltration test depth). The presence or absence of restricting layers, bedrock, water table or indicators of seasonal high water must be noted.

Allowable Testing Methods are as Follows:

1. Test pits or soil borings (per Manual pages D.1.2 and D.1.3) are acceptable with soil descriptions, the elevation of the bottom of the proposed practice(s) noted and a clear written statement by the geotechnical engineer that the proposed ESD practice will work (infiltrate or not infiltrate) at the locations and depths shown and verifying the Hydraulic Soil Group (HSG).
2. Carroll County Health Department approved perc tests are acceptable for drywells only.

Structural Infiltration:

1. Where ESD practices do not match the Manual's sizing or HSG requirements (soil type and/or fill) infiltration testing is to be performed per structural stormwater management requirements (one passing infiltration test per drywell and at least two tests for all other practices). For acceptable infiltration test procedures, see Supplement pages 140 and 141.
2. Where facilities will be publicly owned, the County reserves the right to require infiltration testing.

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