



Stormwater Management Report Part 2: Requirements for Soils Report for Single Family Residential Construction

Updated July, 2017

1. Introduction

The City of Milton requires that single family construction projects infiltrate stormwater runoff onsite if feasible. Many areas of the City have soils that are underlain by a compacted layer of soil (i.e. glacial till or hardpan) which severely limits the ability of the ground to absorb runoff and causes water to perch on the relatively impervious layer during the wet season. This can make the full infiltration of runoff impracticable and other methods must then be used to manage stormwater runoff. A soil report is necessary to identify soil types and depth to impermeable layers (hardpan) or the maximum elevation of wet season groundwater. This information is used to determine the extent to which infiltration is feasible and to design the stormwater infiltration system.

2. Soil Testing and Characterization

Site soil tests shall consist of at least one soils log for each proposed infiltration trench or drywell location. The soil characterization should include the following information:

- Each soil log shall be a **minimum** of 4 feet in depth from the proposed grade (6 feet for drywells).
- Identify the SCS Series of the soil.
- Identify the USDA textural class of the soil horizon through the depth of the log.
- Provide at least one particle size distribution analysis for each soil log to support the USDA textural class designation.
- Note the presence or absence of any evidence of high groundwater, such as mottling.

3. Soils Report

Soils reports must be prepared by or under the direction of a professional soil scientist, licensed onsite sewage system designer, or other suitably trained professional such as a civil engineer, engineering geologist, or geotechnical engineer.

The Soils Report shall include the results of the soil testing and characterization as described above, including log sheets and lab results.

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