

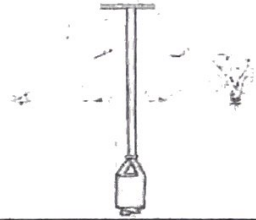
EnviroSoil

Soil and Environmental Consultants

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Infiltration tests for Residential and small commercial

Project Address:

CANTON MEWS, LLC

1293 MINHINETTE DR

ROSWELL, GA 30076

Project# 17103

Type of Study or Method: Single Ring for no side wall absorption and Soil Survey Mapping

Land Lot 410 **District** 12TH

Existing site conditions

The site has been disturbed by demolition of the existing buildings. The site in its current condition is about 90 % pervious ground surface. The area adjacent to the road is the only impervious area due to fact this is old parking lot area. the lot is 26400 square feet or 0.6061 acres. Four infiltration test were performed at the site (see next page) . Soil conditions varied from natural soil to 57 stone and/or crush and run with beach sand up to 28" in depth. The site was nearly level, slope wasn't a factor when performing the infiltration test. .

Infiltration Test 1 (IT1) – 57 stone/ crush n run with beach sand up to 28" over Madison Soil Series Bt1 horizon @ 60"

Infiltration Test 2 (IT2) – Madison soil series natural ground BC Horizon @ 60" (2" gravel on the surface)

Infiltration Test 3 (IT3) – Madison soil series natural ground C Horizon @ 60"

Infiltration Test 4 (IT4) – Tallapoosa soil series natural ground Cr Horizon @ 60" (6" gravel on the surface)

Infiltration test

Infiltration number	Soil series	Hydrologic Soil Group	Soil Drainage class	Infiltration rate Inches/hour	Green Infrastructure Types	Depth of test
1	Fill over Madison	B	Well drained	.486	All	60"
2	Madison	A/B	Well drained	.57	All	60"
3	Madison	A	Well drained	.694	All	60"
4	Tallapoosa	B	Well drained	.518	All	60"

Group B: Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well-drained or well-drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Well-drained A and B soils provide the best opportunity for infiltration and successful long-term performance of all types of GI Practices.

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