



# REMOVAL OPTIONS BASED ON PARTICLE SIZE

				TREATMENT OPTIONS				
	Soil Type	Particle Diameter (microns)	Time Required to Settle 3ft					
Sanitary Sewer	●	Gravel	10,000	0.016 sec	Active Treatment, CESF/EC	Pressurized SF, Bag Filters	Passive Filtration	Silt Fence, Ponds, Vault, Bioswales
		●	Coarse Sand	2000				
	1000			1.7 sec				
	600			4.6 sec				
	300			19.0 sec				
	200			42.0 sec				
	●	Fine Sand	150	1.25 min				
			100	2.8 min				
			60	7.8 min				
	Stormwater	●	Silt	25				
15				6.2 hrs				
10				14.0 hrs				
5				56.0 hrs				
3				155.3 hrs				
●		Clay	1.5	26.0 days				
			1	58.0 days				
			0.1	16 yrs				
·		Colloidal Particles	0.01	1600 yrs				

(not to scale)