

Table 1. Parameters of the soil–water characteristic curves for sand, loam, and silty clay soil types.

	Sand	Loam	Silt clay
S_{max}	1.000	1.000	1.000
S_{min}	0.090	0.298	0.488
α (kPa ⁻¹)	0.380	0.246	0.258
m	0.596	0.316	0.318
n	2.474	1.461	1.466

Table 2. Soil physical and mechanical properties (the same values were used for the sand, silt, and clay soil types).

ρ_s (g/cm ³)	2.65	Soil particle density
ρ_d (g/cm ³)	1.45	Dry density
ϕ (degree)	30.0	Internal friction angle

Table 3. Scaled parameters of the soil–water characteristic curves for different overburden heights.

	$D = 5$ m	$D = 10$ m	$D = 20$ m
S_{max}		1.000	
S_{min}		0.298	
α (kPa ⁻¹)	0.492	0.246	0.123
m		0.316	
n		1.461	