

Geological structure of the site

Geological age and genesis			Geological index	№ of geotechnical soil element	Name and description of geotechnical soil element	Thickness, m			
						min	max	average	
1	2	3	4	5	6	7	8	9	
Quaternary period (Q)	Recent sediments – Holocene (Q IV)	Anthropogenic formation	<i>tIV</i>	1a	Filled soil: sands of varying fineness mixed with loam, gravel and constructional debris	1.10	3.10	2.10	
				1	Silt soil: heterogeneous brown silty sand, medium density, water saturated	0.90	4.10	2.50	
		Biogenic formation	<i>bIV</i>	2		Peaty soil, water saturated	0.60	0.90	0.75
							1.00	3.30	2.15
		Lacustrine and marine sediments	<i>ImIV</i>		3	Silty sand: medium density, homogeneous and heterogeneous, with organic admixtures, water saturated	0.50	1.90	1.20
					4a	Silty sand: grey, dense, heterogeneous, with organic admixtures, water saturated	1.10	2.10	1.60
					4	Silty loam: grey, fluid, thixotropic, with interlayers of silty sands and few organic admixtures, water saturated	5.70	7.90	6.80
		Lacustrine and marine sediments	<i>ImIV</i>	5	Sandy loam: grey, fluid, thixotropic, with interlayers of water saturated silty sands and few organic admixtures	1.60	2.10	1.85	
		Upper Pleistocene (Q III)	Lacustrine and glacial sediments	<i>IgIII</i>	6	Ribbon and laminated loam: grey, fluid with plastic-fluid interlayers, thixotropic, with interlayers of water saturated silty sands	3.80	5.60	4.70
			Glacial drift	<i>gIII</i>	7	Sandy loam: grey, plastic with fluid interlayers ($I_L > 0.5$), with lenses of water saturated silty sands and gravel admixtures (10 – 15%)	3.40	4.80	4.10
	Middle Pleistocene (Q II)	Lacustrine and glacial sediments	<i>IgII</i>	10	Loam: grey, hard with semi-hard interlayers, with interlayers of water saturated silty sands, with rare gravel	0.00	1.20	0.60	
	Vendian (Ediacaran) period	Kotlin horizont	<i>Vkt</i>	11	Silty clay: green and grey, hard, stationed, with interlayers of wet silty sands and sandstone fragments	6.50	9.50	8.00	
12				Hard laminated silty clay: green and grey, with interlayers of wet silty sands and sandstone fragments	3.50	9.50	6.50		

