geotesting®
STUDII GEOTEHNICE ŞI GEOFIZICE

Profilul ~~Santului~~ Forajului Nr. S4-FD-1003
~~Pit~~ Borehole Profile

REZULTATELE ANALIZELOR DE LABORATOR
LABORATORY TEST RESULTS

LUCRAREA / DESIGN: Studiu geotehnic pentru revizuirea Studiului de fezabilitate Autostrada Sibiu-Pitesti - Sectiunea 4 (Valeni-Curtea de Arges)

AMPLASAMENT / LOCATION: Autostrada Sibiu-Pitesti
X : 463873.46   Y: 415312.77

DATA / DATE: 09.09.2016

Cota fata de: 0.00 Foraj / Level vs: 0.00 Bore-hole (pit)

Sample type: ☐ Borcan / Jar; ☒ Stut / Tube; ■ Carota / Core

Cota fata de: 0.00 Foraj / Level vs: 0.00 Bore-hole (pit)	Grosimea stratului / Stratum thickness (m)	Adancimea apei subterane / Underground water depth (m)	Stratificatia / Stratification	Formatiunea geologica / Geological formation	DENUMIREA STRATULUI (conform Stas 1243-88 si SR EN ISO 14688/2-2005) / STRATUM DESCRIPTION (according to Stas 1243-88 and SR EN ISO 14688/2-2005)	Numarul probelor / Number and type of samples	Adancimea / Depth (m)	Argila / Clay <0.002	Praf / Silt 0.063	Nisip fin / Fine sand 0.2	Nisip mediu / Medium sand 0.63	Nisip mare / Coarse sand 2	Pietris mic / Small gravel 6.3	Pietris mediu / Medium gravel 20	Pietris mare / Coarse gravel 63	Bolovanis / Cobbles 200	Coeficientul de neuniformitate / Non-uniformity coefficient Un=d60/d10	Limita de curgere / Liquid limit W_L	Limita de plasticitate / Plastic limit W_P	Indicele de plasticitate / Plasticity index I_P	Umiditatea / Water content w %	Indicele de consistenta / Consistency index I_C	Densitatea scheletului mineral / Skeletal mineral density ρ_s	Greutatea volumica / Unit weight γ kN/m³	Greutatea volumica in stare uscata / Unit dry weight γ_d kN/m³	Porozitatea / Porosity n %	Indicele porilor / Void ratio e	Gradul de umiditate / Degree of saturation Sr	Umflarea libera / Unconfined swelling U_L	Suctiunea 15 bari / Suction 15 bars w_{15}	Contractia volumica / Volume shrinkage C_v (Tulb./Netulb. – Dist./Undist.)	Limita de contractie / Shrinkage limit w_s	Presiunea de umflare / Swelling pressure Pu kPa	Modulul de deformatie edometrica / Oedometer deformation modulus $M_{200-300}$ kPa	Tasare specifica la 200 kPa / Specific settlement at 200 kPa ε_{200} %	Coef. compresibilitate volumica / Coefficient of volume change m_v	Coeficientul de compresibilitate / Coefficient of compressibility $a_{v\,200-300}$ 1/kPa	Sensibilitatea la umezire / Susceptibility to wetting im_{300} %	Efort / Stress σ kPa	Tasare specifica / Specific settlement ε %	Modulul de deformatie edometrica / Oedometer deformation modulus M kPa	Efort σ/τ / Effective stress σ/τ 1	2	3	Unghiul de frecare int. / Angle of int. friction Φ °	Coeziunea / Cohesion c kPa	Felul determinarii / Type of test	Rezistenta la compresiune cu deformatie laterala libera / Unconfined compressive strength p_c kPa	Coeficient de permeabilitate / Permeability coefficient k cm/s	Continutul in CaCO3 / CaCO3 content %	Penetrarea dinamica standard / Standard penetration test N/30 cm
0.10	0.10				Pamant vegetal.																																														
4.50	4.40	2.90			Nisip prafos galbui cu pietris si rar bolovanis.	1	1.3-1.5	4	19	18	18	9	12	20			>15				4.10																														
5.10	0.60				Nisip fin galbui - cenusiu.																																														
6.00	0.90				Argila prafoasa nisipoasa, cafenie - cenusie, plastic vartoasa.	2	5.3-5.5	24	42	19	10	4	1					41.7	14.0	27.6	14.8 16.0 16.8	0.97		21.6 21.4	18.7 18.3	31.40 32.56	0.46 0.48	0.95 0.94					95	15882.7 7407.1	3.34 2.40		0.00009 0.00019	-0.22													

Intocmit: ing. V. Marin

Verificat: ing. A. Diaconu