



GEOPROGRAM Sp. z o.o.
ul. Fordońska 110
85-739 Bydgoszcz
Tax ID (NIP):967-141-77-14

APPENDIX 3 LEGEND TO SECTIONS

Building: Designed construction of the European Film Center CAMERIMAGE in Toruń
Quarter delimited by Al. Św. Jana Pawła II, Czerwona Droga, Aleja Solidarności, Wał Generała Władysława Sikorskiego in Toruń

GEOLOGICAL EXPLANATIONS				ESTIMATED VALUES OF GEOTECHNICAL PARAMETERS																	PN-86/B02480 PN-EN ISO 14688 1			
Stratigraphic - lithological profile Lithological - genetic - stratigraphic description				Geotechnical layer no.	Land symbol as per PN-86/B-02480	Damage according to PN-EN ISO 14688 1/2	Soil consolidation symbol	Soil condition				Natural humidity	Bulk density	effective cohesion	effective internal friction angle	Edometric original bulk module		Swelling pressure	Filtration coefficient (USBSC)	Strength				
								compacting	compacting	plasticity level	consistence					primary	secondary			shear - rotary cutter SO-1	shear - rotary probe PS 0-1	compressive - piston penetrometer PW-1		
I _D	I _D	I _L	I _C	W _n	γ _m	c' / c _u	φ' / φ _u	M _v	M	p _c	k	τ _{TV}	τ _{TP} ^{max}	τ _{PP}										
1	%	1	1	%	kN/m ³	kPa	°	kPa	kPa	kPa	m/s	kPa	kPa	kPa										
QUATERNARY Q				HALOCENE Q _h	Embankment _s	Uncontrolled embankments '■'Ms.--'	nN(PsH,Pg H,gb,gc)	ormsa, orclsaMg	non-bearing soil is not suitable for construction of direct foundations															
				PLEISTOCENE Q _p	SAND	Medium and fluvial sands CR.)	Ia	Ps,Pr	MSa,CSa	0.45	45.0	-	-	5.0 22.0	17.0 20.0	-	32.7 32.5-34.0	89000			1.1-7.9*10 ⁻⁴			
							Ib	Ps,Pr,Ps+Ż	MSa,CSa, grMSa	0.66	66.0	-	-	4.0 18.0	18.0 20.5	-	34.0 35.0-38.0	123000						
		GRAVEL	Fluvial sand and gravel mix C ₁)	II	Po	grSa	0.88	88.0	-	-	14.0	21.0	-	41.3 35.0-38.0	240000			5.5*10 ⁻⁴						
NEOGENE	MYOLOCENE	CLAYS	Clays from the Poznań formation k M)	III	I	Cl	D	-	-	0.03	0.97	29.0 32.0	20.0	58.3	12.6	37000				120-165				

NOTE: the values of geotechnical parameters should be treated as rough, and need to be confirmed through laboratory and in-situ examinations